## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION DOCKET NO.: 1818.1015-021

Applicants:		Jonathan S. Stamler, Eric J. Toone and Richard S. Stack				
Contir	nuation Application of					
Application No.:		10/164,366				
	Filed:	June 5, 2002				
For:	NOVEL POLYMER	S FOR DELIVERING NITRIC OXIDE IN VIVO				
		Date: 9-23-03				
	EXPF	RESS MAIL LABEL NO. EU 052 030 3824 S				
		INFORMATION DISCLOSURE STATEMENT				
P.O. Bo	issioner for Patents ox 1450 dria, VA 22313-1450					
Sir:						
This Ir	nformation Disclosure under 37 CFR 1.129( (First/Second submission after I					
[X]	under 37 CFR 1.97(b), or (Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).					
[ ]	under 37 CFR 1.97(c)	together with either:				
	[ ] a Statement under 37 CFR 1.97(e), as checked below, or					
		under 37 CFR 1.17(p), or period, but before final action or notice of allowance, whichever occurs first)				
[ ]	under 37 CFR 1.97(d) together with:					
	[ ] a Statement un	nder 37 CFR 1.97(e), as checked below, and				
		under 37 CFR 1.17(p), or of allowance, whichever occurs first, but on or before payment of the issue fee)				
[ ]	under 37 CFR 1.97(i) Applicant requests th (Filed after payment of issue fee	at the IDS and cited reference(s) be placed in the application filewrapper.				

Staten	ient Un	der 37 (	<u>CFR 1.97(e)</u>			
[]	Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or					
[ ]	comm knowl in the	No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.				
Staten	nent Un	der 37 (	(Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000			
[]	Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.					
[X]	Enclos	sed here	with is form PTO-1449:			
	[X]	A copy	of the cited reference, AF2, is enclosed.			
	[X] Copies of cited references were previously entered in prior applications, U.S. Application Nos. 10/164,366, 09/752,223, now U.S. Patent No. 6,403,759 B2 and 09/103,225, now U.S. Patent No. 6,232,434, to which priority under 35 U.S.C. 120 is claimed. The earlier applications contain copies of the cited references.					
	[ ]	The list	ted references were cited in the enclosed International Search Report in a rpart foreign application.			
	[ ]		oncise explanation" requirement (non-English references) for reference(s) [ 37 CFR 1.98(a)(3) is satisfied by:			
		[]	the explanation provided on the attached sheet.			
		[ ]	the explanation provided in the Specification.			
		[ ]	submission of the enclosed International Search Report.			
		[ ]	submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.			
		[ ]	the enclosed English language abstract.			

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[ ]	Applic	cant requests that the following n	on-published pending applic	cations be considered:		
Examiner's Initials						
		U.S. Patent Application No. [	], by [inventor(s)], filed [	], Docket No.: [ ]		
		U.S. Patent Application No. [	], by [inventor(s)], filed [	], Docket No.: [ ]		
		U.S. Patent Application No. [	], by [inventor(s)], filed [	], Docket No.: [ ]		
		Examiner	Date	-		
	[ ]	A copy of each above-cited app	lication, including the curre	nt claims, is enclosed.		
	[ ]	A copy of each above-cited app those entered in prior application 35 U.S.C. 120 is claimed.	olication, including the curre on, U.S. Application No. [	nt claims, is enclosed, except ], to which priority under		
The Ex	xaminer	r is requested to return a copy of re considered with the next office	the above list of pending appe communication.	olications indicating which		
It is re	quested	that the information disclosed h	erein be made of record in the	nis application.		
Metho	d of pay	yment:				
[]		ck for the fee noted above is encl panying Reply. A copy of this S		luded in the check with the		
[ ]	Please	charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is ed.				
[X]	Please	e charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.				
		R	espectfully submitted,			
		H	IAMILTON, BROOK, SMI	ΓΗ & REYNOLDS, P.C.		
		В	Steven G. Davis			
			Registration No.: 39,652 Telephone: (978) 341-0036 Facsimile: (978) 341-0136			

Concord, MA 01742-9133
Dated: September 23 7003

PTO-1449 REPRODUCED  INFORMATION DISCLOSURE CITATION  IN AN APPLICATION				ATTORNEY DOCKET NO. APPLICATION NO. 1818.1015-021					
				APPLICANTS Jonathan S. Stamler et al.					
September 17, 2003  (Use several sheets if necessary)				FILING D	ATE ber 23, 2003	CONFIRMA	TION NO.	GROUP	
			U.S.	PATENT D	OCUMENTS			<u> </u>	
EXAM- INER INI- TIAL		DOCUMENT NU		ISSUE DATE / BLICATION DATE	NAME				
	AA	5,116,861		26 MAY	92	Goto e	et al.		
	AB	5,380,758		10 JAN	95	Stamle	Stamler et al.		
	AC	5,405,919	-	11 APR	. 95	Keefer	et al		
	AD	5,482,925		09 JAN	96	Hutsel	Hutsell		
	AE	5,525,357	<del></del> -	11 JUN	96	Keefer	Keefer et al.		
-	AF	5,519,020		21 MAY	96	Smith	Smith et al.		
	AG	5,385,940		31 JAN	95	Moskov	Moskowitz		
	AH	5,504,117		02 APR	96	Gorfin	Gorfine		
	AI	5,427,797		27 JUN	95	Froste	Frostell et al.		
	AJ				95	Stamler et al.			
	AK	5,114,506	19 MAY	92	Consaga et al.				
	AA2	4,138,535		06 FEE	79	Schweiger			
	AB2	6,087,479		11 JUL	00	Stamler et al.			
	AC2	5,770,645		23 JUN	98	Stamler et al.			
	AD2	6,232,434	15 MAY	01	Stamler et al.				
	AE2	6,403,759 B2		11 JUN	02	Stamler et al.			
	AF2 US 2003-0078365 A1			24 APR	. 03	Stamler et al.			•
			FOREIG	N PATENT	DOCUMENTS			<del></del> _	
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUB- CLASS	TRANS:	LATION NO
	AL	2 244 491	04 DEC 91	UNITED	KINGDOM				T
	AM	WO 96/15781	30 MAY 96	PCT					
	AN	WO 95/24908	21 SEP 95	PCT					
	AO	WO 96/17604	13 JUN 96	PCT					
	AP	WO 96/16645	5 06 JUN 96 PCT						
··	AQ	70 96/15797 30 MAY 96 PC		PCT					
	AL2	AL2 WO 93/20806 23 OCT 93 PC		PCT					
	AM2	WO 94/16740	04 AUG 94	PCT					
EXAMIN	EXAMINER				NSIDERED				

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FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS		
AN2	WO 94/22306	13 OCT 94	PCT			
A02	WO 95/13802	26 MAY 95	PCT			
AP2	WO 95/13800	26 MAY 95	PCT			
AQ2	WO 95/02408	26 JAN 95	PCT			
AL3	WO 95/09636	13 APR 95	PCT			
AM3	WO 95/09612	13 APR 95	PCT			
AN3	WO 95/12394	01 MAY 95	PCT			
A03	WO 95/10267	20 APR 95	PCT			
AP3	WO 95/07691	23 MAR 95	PCT			
AQ3	WO 96/02268	01 FEB 96	PCT			
AL4	WO 96/28145	19 SEP 96	PCT			
AM4	WO 96/35416	14 NOV 96	PCT			
AN4	DE 4420523	13 JUN 94	GERMANY			
A04	WO 96/02241	01 FEB 96	PCT			
AP4	WO 98/05689	12 FEB 98	PCT			
AQ4	WO 96/38136	05 DEC 96	PCT			
AL5	WO 95/10267	20 APR 95	PCT			
AM5	WO 95/12394	11 MAY 95	PCT			
AN5	WO 93/12068	24 JUN 93	PCT			
	OTHER DOCUMENTS (Including Au	thor, Title, Date, Pertinent	t Pages, Etc.)			
AR	AR Stamler, J. S. et al. "S-Nitrosylation of Proteins with Nitric Oxide: Synthesis and Characterization of Biologically Active Compounds," Proc. Natl. Acad. Sci USA, 89:444-448, (1992).					
AS	Bauer, J. A. and Ho-Leung Fung, "Chemical Stabilization of a Vasoactive S-Nitrosothiol with Cyclodextrins without Loss of Pharmacologic Activity," Pharmaceutical Research, 8(10):1329-1333, (1991).					
AT	Langford, E. J. et al., "Inhibition of Platelet Activity by S-Nitrosoglutathione During Coronary Angioplastry," The Lancet, 344:1458-1460, (1994).			344:1458-		
AU	Roy, B. et al., "New Thionitrites: Synthesis, Stability, and Nitric Oxide Generation," J. Org. Chem., 59:7019-7026, (1994).					
EXAMINER		DATE CONSIDERED				
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		OTHER DOCUMENTS (Including Aut	thor, Title, Date, Pertinent	: Pages, Etc.)		
	Gorren, A.C.F. et al., Decomposition of S-Nitrosoglutathione in the Presence of Copper Ions and Glutathione, "Arch. Biochem. Biophys., 33 (2):219-228, (1996).					
	WA	Vanin, A.F. et al., "Iron Catalyzes both Decomposition and Synthesis of S-Nitrosothiols: Optical and Electron Paramagnetic Resonance Studies," NITRIC OXIDE: Biology and Chemistry, 1(3):191-203, (1997).				
	AX		chemistry of the <i>S-</i> Nitroso Derivatives of 1,6-dithiol," <i>Nature, 211:</i> 848, (1966).			
	AY	Bauer, J.A. and Fung, H.L., Nitrosothiol with Cyclodext Activity," Pharmaceutical I	trins Without Loss of P	Pharmacologic		
	AZ	Goldstein, S. and Czapski, G., "Mechanism of the Nitrosation of Thio and Amines by Oxygenated *NO Solutions: The Nature of the Nitrosation Intermediates," J. Am. Chem. Soc., 118:3419-3425, (1996).				
	AR2	Askew, S.C. et al., "Catalysis by $Cu^{2+}$ of Nitric Oxide Release From S-Nitrosothiols (RSNO)," J. Chem. Soc. Perkin Trans., 2:741-745, (1995)				
	AS2	Batsanov, A.S., et al., "Stereocontrol in Cyclisation of Dioxolanyl Radicals," J. Chem. Soc. Perkin Trans., 1:1281-1294, (1995).				
	AT2	Feelisch M. and Stamler, J.S., "Donors of Nitrogen Oxides," <i>Methods in Nitric Oxide Research</i> (M. Feelisch and J.S. Stamler, eds.), pp.71-115, John Wiley & Sons, (1996).				
	AU2	Arnelle, D.R. and Stamler, J.S., "NO $^+$ , NO $^-$ and NO $^-$ Donation by $S-$ Nitrosothiols: Implications for Regulation of Physiological Functions by $S-$ Nitrosylation and Acceleration of Disulfide Formation," Archives of Biochemistry and Biophysics, 318(2):279-285, (1995).				
	AV2	Feelisch M. and Stamler, J.S., "Preparation and Detection of S-Nitrosothiols," <i>Methods in Nitric Oxide Research</i> (M. Feelisch and J.S. Stamler, eds.), pp. 521-539, John Wiley & Sons, (1996).				
	AW2	Zapol et al., "Kit and Inhalation Device for use with a Nitric Oxide Source," Chem Abstracts., 122: 248424.				
	AX2	Kallman et al., "Toxicity of Chemically Generated Nitric Oxide Towards Pancreatic Islet Cells can be Prevented by Nicotinamide," Life Sciences., 51:671-678, (1992).				
	AY2	Field et al., "An Unusually Stable Thionitrite from $N$ -Acetyl-D,L-penicillamine; X-ray Crystal and Molecular Structure of 2-(Acetylamino)-2-carboxy-1,1-dimethyl Thionitrite," $J.C.S.$ Chem. Comm., 249-250, (1978).				
	Wink, D.A. et al., "Use of Nitric Oxide-Releasing Compounds as Protective Agents in Ischemia Reperfusion Injury," Chemical Abstract 123:74904 (2000).					
EXAMINER			DATE CONSIDERED			